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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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substances identified in English-, French-, German-,
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NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
NEWS 5 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 6 DEC 01 ChemPort single article sales feature unavailable
NEWS 7 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
NEWS 9 JAN 06 The retention policy for unread STNmail messages
will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
Classification Data

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 21:28:22 ON 25 JAN 2009

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 21:28:41 ON 25 JAN 2009
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STRUCTURE FILE UPDATES: 23 JAN 2009 HIGHEST RN 1095705-07-9
DICTIONARY FILE UPDATES: 23 JAN 2009 HIGHEST RN 1095705-07-9

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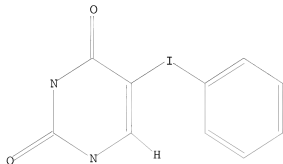
Uploading C:\Program Files\Stnexp\Queries\10559879-salt-cl15.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 21:29:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 8 TO 329

PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 21:29:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 127 TO ITERATE

100.0% PROCESSED 127 ITERATIONS 27 ANSWERS

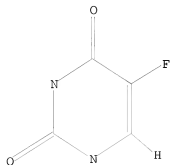
SEARCH TIME: 00.00.01

L3 27 SEA SSS FUL L1

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L4 STRUCTURE UPLOADED

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L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 21:29:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 610 TO ITERATE

100.0% PROCESSED 610 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 10719 TO 13681
PROJECTED ANSWERS: 8491 TO 11149

L5 50 SEA SSS SAM L4

=> s l4 full
FULL SEARCH INITIATED 21:30:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12361 TO ITERATE

100.0% PROCESSED 12361 ITERATIONS 9744 ANSWERS
SEARCH TIME: 00.00.01

L6 9744 SEA SSS FUL L4

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
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FULL ESTIMATED COST 371.76 371.98

FILE 'CAPLUS' ENTERED AT 21:30:08 ON 25 JAN 2009
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FILE COVERS 1907 - 25 Jan 2009 VOL 150 ISS 5
FILE LAST UPDATED: 23 Jan 2009 (20090123/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16

L7 25273 L6

=> s 13

L8 7 L3

=> s 16 and 13

25273 L6

7 L3

L9 1 L6 AND L3

=> d 19 ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:546427 CAPLUS

DOCUMENT NUMBER: 141:106482

TITLE: Solid-phase fluorination of uracil and cytosine

INVENTOR(S): Brady, Frank; Luthra, Sajinder Kaur; Robins, Edward George

PATENT ASSIGNEE(S): Hammersmith Imanet Limited, UK

SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

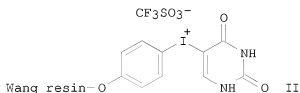
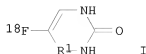
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056400	A1	20040708	WO 2003-GB5577	20031219
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003290297	A1	20040714	AU 2003-290297	20031219

EP 1572249 A1 20050914 EP 2003-782657 20031219
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006510707 T 20060330 JP 2004-561655 20031219
 US 20060120958 A1 20060608 US 2005-538904 20050614
 PRIORITY APPLN. INFO.: GB 2002-29683 A 20021220
 WO 2003-GB5577 W 20031219

OTHER SOURCE(S): MARPAT 141:106482

GI

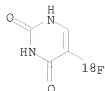
Q=



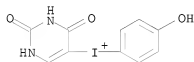
AB The invention relates to a process for the production of an 18F-labeled tracer which comprises treatment of a solid support-bound precursor of formula SOLID SUPPORT-LINKER-I+-TRACER-Y- [wherein the TRACER is formula Q or an amine protected derivative thereof; wherein Y- = an anion, preferably trifluoromethylsulfonate (triflate) anion; R1 = either (i) a group CH-NP1AP2A in which P1A and P2A are each independently hydrogen or a protecting group, or (ii) a carbonyl group] with 18F- to produce the 18F-labeled tracer of formula (I) or an amine protected derivative thereof (wherein R1 is as defined above). The 18F-labeled tracers I are useful as radiotracers for positron emission tomog. (PET). Thus, etherification of 4-iodophenol with Wang resin in DMF in the presence of Cs2CO3 at 60° for 3 h gave 4-iodophenyl benzyl ether supported on Wang resin which was treated with Ac2O and H2O2 at 40° overnight to give 4-(diacetoxiodo)phenyl benzyl ether supported on Wang resin. A suspension of the latter resin in CH2Cl2 was treated dropwise with CF3SO3H at -30 over 15 min, warmed to 0° over 15 min, and stirred at room temperature overnight, cooled to -30°, treated with 5-(dihydroxyboranyl)-1H-pyrimidine-2,4-dione, and stirred at -30° for 1 h and at room temperature overnight to give a resin-supported precursor (II). To a portion of the resin II held in a cartridge was added a solution of kryptofix, K2CO3, and [18F]fluoride and the resulting suspension was heated to 85° for 10 min to give 5-[18F]-fluorouracil.

IT 823-63-2F, 5-[18F]-Fluorouracil
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of fluorine 18-labeled uracil or cytosine by solid-phase radiofluorination of uracil and cytosine as radiotracer for positron emission tomog.)

RN 823-63-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 5-(fluoro-18F)- (CA INDEX NAME)



IT 718629-60-8DP, Wang resin-bound
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of fluorine 18-labeled uracil or cytosine by solid-phase
 radiofluorination of uracil and cytosine as radiotracer for positron
 emission tomog.)
 RN 718629-60-8 CAPLUS
 CN Iodonium, (4-hydroxyphenyl)(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-,
 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)
 CM 1
 CRN 718629-59-5
 CMF C10 H8 I N2 O3



CM 2
 CRN 37181-39-8
 CMF C F3 O3 S



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 18 not 19
 L10 6 L8 NOT L9

=> d 110 ibib abs hitstr 1-
 YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L10 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:180661 CAPLUS
 DOCUMENT NUMBER: 130:252595
 TITLE: Palladium catalyzed alkenylation or alkynylation at
 C-5 of uracil nucleosides using novel phenyliodonium
 triflate
 AUTHOR(S): Roh, Kyoung Rok; Kim, Joong Young; Kim, Yong Hae
 CORPORATE SOURCE: Department of Chemistry, Korea Advanced Institute of

SOURCE: Science and Technology, Taejon, 305-701, S. Korea
Tetrahedron Letters (1999), 40(10), 1903-1906
CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A new coupling reaction between novel uracil-5-iodonium triflate and unsatd. stannane or alkenyl boronic acid is described. The reaction is achieved via palladium catalyzed cross-coupling reaction under mild conditions within short reaction time.

IT 219638-40-1 219638-44-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(palladium catalyzed alkenylation or alkynylation at C-5 of uracil nucleosides using novel phenyliodonium triflate)

RN 219638-40-1 CAPLUS

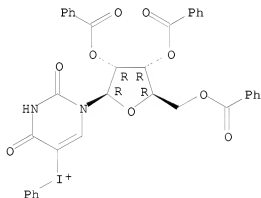
CN Iodonium, phenyl[1,2,3,4-tetrahydro-2,4-dioxo-1-(2,3,5-tri-O-benzoyl-β-D-ribofuranosyl)-5-pyrimidinyl]-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 219638-39-8

CMF C36 H28 I N2 O9

Absolute stereochemistry.



CM 2

CRN 37181-39-8

CMF C F3 O3 S

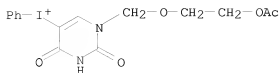


RN 219638-44-5 CAPLUS

CN Iodonium, [1-[[2-(acetyloxy)ethoxy)methyl]-1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl]phenyl-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 219638-43-4
CMF C15 H16 I N2 O5



CM 2

CRN 37181-39-8
CMF C F3 O3 S



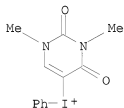
IT 219638-32-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(palladium catalyzed alkenylation or alkynylation at C-5 of uracil
nucleosides using novel phenyliodonium triflate)

RN 219638-32-1 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-1,3-dimethyl-2,4-dioxo-5-pyrimidinyl)-
, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 219638-31-0
CMF C12 H12 I N2 O2



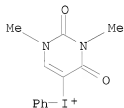
CM 2

CRN 37181-39-8
CMF C F3 O3 S



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:730214 CAPLUS
DOCUMENT NUMBER: 130:110513
TITLE: Novel synthesis of 5-phenyliodonium triflate substituted uracil nucleosides
AUTHOR(S): Roh, Kyoung Rok; Kim, Joong Young; Kim, Yong Hae
CORPORATE SOURCE: Department of Chemistry, Korea Advanced Institute of Science and Technology, Taejeon, 305-701, S. Korea
SOURCE: Chemistry Letters (1998), (11), 1095-1096
CODEN: CMLTAG; ISSN: 0366-7022
PUBLISHER: Chemical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:110513
AB 5-Phenyliodonium triflate substituted uracil nucleosides have been prepared by one step reaction of uracil nucleosides with (diacetoxyiodo)benzene-trifluoromethanesulfonic acid.
IT 219638-32-1P 219638-34-3P 219638-36-5P
219638-38-7P 219638-40-1P 219638-42-3P
219638-44-5P 219638-46-7P 219638-49-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of phenyliodonium triflate substituted uracil nucleosides via iodination with (diacetoxyiodo)benzenetriflate)
RN 219638-32-1 CAPLUS
CN Iodonium, phenyl(1,2,3,4-tetrahydro-1,3-dimethyl-2,4-dioxo-5-pyrimidinyl)-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)
CM 1
CRN 219638-31-0
CMF C12 H12 I N2 O2

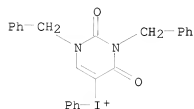


CM 2
CRN 37181-39-8
CMF C F3 O3 S



RN 219638-34-3 CAPLUS
CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-1,3-bis(phenylmethyl)-5-pyrimidinyl)-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

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 CRN 219638-33-2
 CMF C24 H20 I N2 O2

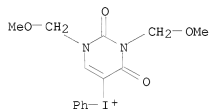


CM 2
 CRN 37181-39-8
 CMF C F3 O3 S



RN 219638-36-5 CAPLUS
 CN Iodonium, phenyl[1,2,3,4-tetrahydro-1,3-bis(methoxymethyl)-2,4-dioxo-5-pyrimidinyl]-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

CM 1
 CRN 219638-35-4
 CMF C14 H16 I N2 O4



CM 2
 CRN 37181-39-8
 CMF C F3 O3 S

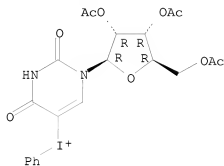


RN 219638-38-7 CAPLUS
 CN Iodonium, phenyl[1,2,3,4-tetrahydro-2,4-dioxo-1-(2,3,5-tri-O-acetyl- β -D-ribofuranosyl)-5-pyrimidinyl]-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 219638-37-6
 CMF C21 H22 I N2 O9

Absolute stereochemistry.



CM 2

CRN 37181-39-8
 CMF C F3 O3 S

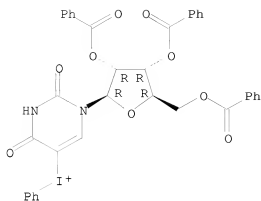


RN 219638-40-1 CAPLUS
 CN Iodonium, phenyl[1,2,3,4-tetrahydro-2,4-dioxo-1-(2,3,5-tri-O-benzoyl- β -D-ribofuranosyl)-5-pyrimidinyl]-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 219638-39-8
 CMF C36 H28 I N2 O9

Absolute stereochemistry.



CM 2

CRN 37181-39-8

CMF C F3 O3 S



RN 219638-42-3 CAPLUS

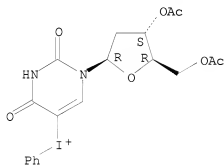
CN Iodonium, [1-(3,5-di-O-acetyl-2-deoxy-β-D-erythro-pentofuranosyl)-1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl]phenyl-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 219638-41-2

CMF C19 H20 I N2 O7

Absolute stereochemistry.



CM 2

CRN 37181-39-8

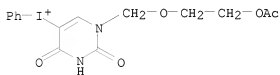
CMF C F3 O3 S



RN 219638-44-5 CAPLUS
 CN Iodonium, [1-[[2-(acetyloxy)ethoxy)methyl]-1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl]phenyl-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 219638-43-4
 CMF C15 H16 I N2 O5



CM 2

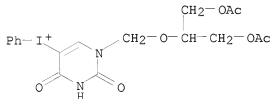
CRN 37181-39-8
 CMF C F3 O3 S



RN 219638-46-7 CAPLUS
 CN Iodonium, [1-[[2-(acetyloxy)-1-[(acetyloxy)methyl]ethoxy)methyl]-1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl]phenyl-, 1,1,1-trifluoromethanesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 219638-45-6
 CMF C18 H20 I N2 O7



CM 2

CRN 37181-39-8

CMF C F3 O3 S

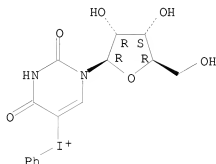


RN 219638-49-0 CAPLUS
CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-1-β-D-ribofuranosyl-5-pyrimidinyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 219638-48-9
CMF C15 H16 I N2 O6

Absolute stereochemistry.



CM 2

CRN 37181-39-8
CMF C F3 O3 S



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 1989:533539 CAPLUS

DOCUMENT NUMBER: 111:133539

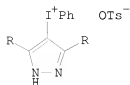
ORIGINAL REFERENCE NO.: 111:22335a,22338a

TITLE: Fast-atom-bombardment and secondary-ion mass spectra of iodonium salts: interpretation of spectra and implications for sputtering mechanisms

AUTHOR(S): Duffin, Kevin L.; Busch, Kenneth L.; Tuncay, Atilla
CORPORATE SOURCE: Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA
SOURCE: Organic Mass Spectrometry (1989), 24(6), 391-7
CODEN: ORMSBG; ISSN: 0030-493X

DOCUMENT TYPE:
LANGUAGE:
GI

Journal
English



AB Pos.-ion fast-atom-bombardment and liquid secondary-ion mass spectra of arylodonium salts, e.g., I (R = H, Me) and Ph2I+Br-, usually contain the intact cation as the base peak in the spectrum, along with lower abundance fragment ions that result from cleavages, rearrangements, and, in some cases, combinations of such losses with addition of hydrogen from the matrix. A rearrangement that leads to loss of the central iodine as a neutral atom occurs in source fragmentations as well as in low collision energy collision-activated dissociation. Energy-released tandem mass spectrometry is used to establish the relative facilities of the rearrangement and cleavage reactions of the intact cation. Tandem mass spectrometry is also used to identify reduced forms of the intact cation and its fragments. The occurrence of these reactions implicates direct fragmentation in the condensed phase or in a solvent-salt cluster in the selvedge immediately above the sample surface.

IT 42076-62-0

RL: PRP (Properties)
(SIMS of)

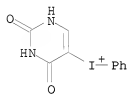
RN 42076-62-0 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-,
4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 48149-18-4

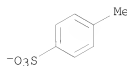
CMF C10 H8 I N2 O2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S

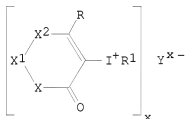


L10 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1985:579737 CAPLUS
 DOCUMENT NUMBER: 103:179737
 ORIGINAL REFERENCE NO.: 103:28935a,28938a
 TITLE: Photocurable compositions comprising a cationic polymerizable material and as a photoinitiator a monoaryliodonium salt
 INVENTOR(S): Goodin, Johathan William; Irving, Edward
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Switz.
 SOURCE: Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 145653	A2	19850619	EP 1984-810520	19841029
EP 145653	A3	19850710		
EP 145653	B1	19870422		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
JP 60124622	A	19850703	JP 1984-233029	19841105
PRIORITY APPLN. INFO.:			GB 1983-29395	A 19831103
OTHER SOURCE(S):	MARPAT 103:179737			

GI



AB The title comps., useful as coatings, adhesives, binders, etc., contain the iodonium salts I (X, X2 = CH2, CH, O, NH; X1 = direct bond, alkylene, methine, CO; R = H, OH, alkyl, alkoxyl; R1 = Ph or substituted Ph; x = 1, 2, or 3; Yx- = anion of x valence) as photoinitiators. Thus, a PhOH-HCHO resin [9003-35-4] (viscosity 0.7 Pa-s at 25°) containing 3 phr (2-hydroxy-4,4-dimethyl-6-oxo-1-cyclohexenyl)phenyliodonium p-toluenesulfonate [81447-30-5] was coated to 8 µ on tinplate and exposed for 10 s to an 80-W/s medium-pressure Hg lamp at a distance of 20 cm to give a tack-free coating.

IT 42076-62-0
 RL: USES (Uses)
 (initiator, for photocuring of polymers)

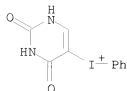
RN 42076-62-0 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, 4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 48149-18-4

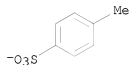
CMF C10 H8 I N2 O2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



L10 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1975:4204 CAPLUS

DOCUMENT NUMBER: 82:4204

ORIGINAL REFERENCE NO.: 82:727a,730a

TITLE: Iodonium derivatives of some heterocyclic compounds

AUTHOR(S): Karele, B.; Kalnina, S.; Grinberga, I.; Neilands, O.

CORPORATE SOURCE: USSR

SOURCE: Nov. Issled. Obl. Khim. Khim. Tekhnol., Mater. Nauchno-Tekh. Konf. Professorsko-Prepod. Sostava Nauchn. Rab. Khim. Fak. RPI (1973), Meeting Date 1972, 19-20. Red.-Izd. Otd. Rzh. Politekh. Inst.: Riga, USSR.

CODEN: 29ALAQ

DOCUMENT TYPE: Conference

LANGUAGE: Russian

GI For diagram(s), see printed CA Issue.

AB Uracil treated with $\text{PhI}(\text{OAc})_2$ in the presence of p-MeC₆H₄SO₃H gave I (X = p-MeC₆H₄SO₃ throughout). Analogously obtained was pyrazole II. Treatment of I and II with base gave the corresponding betaines (III, IV); indole and pyrrole similarly gave V and VI.

IT 42076-62-0P 54317-09-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

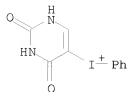
RN 42076-62-0 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, 4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 48149-18-4

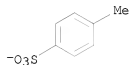
CMF C10 H8 I N2 O2



CM 2

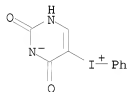
CRN 16722-51-3

CMF C7 H7 O3 S



RN 54317-09-8 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, inner salt
(CA INDEX NAME)



L10 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1973:432003 CAPLUS

DOCUMENT NUMBER: 79:32003

ORIGINAL REFERENCE NO.: 79:5193a,5196a

TITLE: Iodonium derivatives of heterocyclic compounds. II.

Phenylodonium salts and uracil betaine

AUTHOR(S): Karele, B.; Kalnins, S.; Grinberga, I.; Neilands, O.

CORPORATE SOURCE: Rzh. Politekh. Inst., Riga, USSR

SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1973), (4), 553-5

CODEN: KGSSAQ; ISSN: 0132-6244

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI For diagram(s), see printed CA Issue.

AB Phenylodoniumpyrimidine salts (I; X = Cl, Br, I, BF₄) were prepared in 74-86% yields by treatment of uracil with phenyliodoso acetate in presence of p-MeC₆H₄SO₃H to give I (X = p-MeC₆H₄SO₃) which was then treated with the appropriate anion in AcOH.

IT 42076-62-0P 42076-63-1P 42076-64-2P

42076-65-3P 42076-66-4P 54317-09-8P

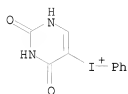
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

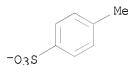
RN 42076-62-0 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-,
4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

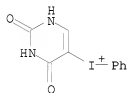
CM 1
 CRN 48149-18-4
 CMF C10 H8 I N2 O2



CM 2
 CRN 16722-51-3
 CMF C7 H7 O3 S

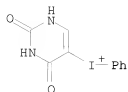


RN 42076-63-1 CAPLUS
 CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, chloride
 (1:1) (CA INDEX NAME)



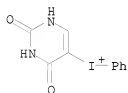
● Cl⁻

RN 42076-64-2 CAPLUS
 CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, bromide
 (1:1) (CA INDEX NAME)



RN 42076-65-3 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, iodide
(1:1) (CA INDEX NAME)



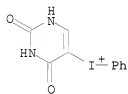
RN 42076-66-4 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-,
tetrafluoroborate(1-) (1:1) (CA INDEX NAME)

CM 1

CRN 48149-18-4

CMF C10 H8 I N2 O2



CM 2

CRN 14874-70-5

CMF B F4

CCI CCS



RN 54317-09-8 CAPLUS

CN Iodonium, phenyl(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, inner salt
(CA INDEX NAME)

